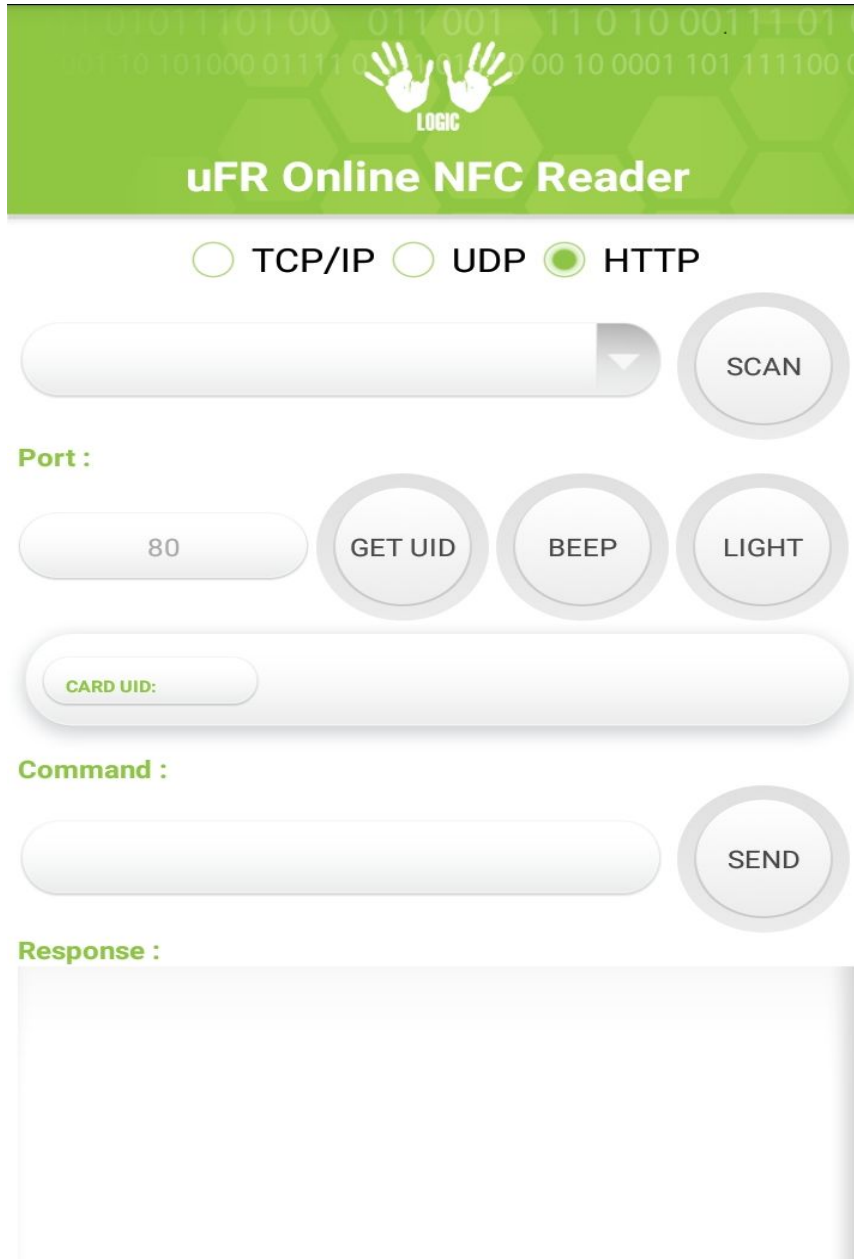


# **uFR Online NFC Reader - Android 1.0 version**

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## Application preview



The application interface features a green header with a binary code background and the Digital Logic logo. Below the header, there are three radio buttons for selecting a protocol: TCP/IP, UDP, and HTTP (which is selected). A large white button labeled 'SCAN' is positioned to the right of a white input field. Below this, the 'Port :' label is followed by a white input field containing '80' and three circular buttons labeled 'GET UID', 'BEEP', and 'LIGHT'. A 'CARD UID:' label is followed by a long white input field. The 'Command :' label is followed by a white input field and a 'SEND' button. Finally, the 'Response :' label is followed by a large white text area.

**uFR Online NFC Reader**

☐ TCP/IP ☐ UDP ☒ HTTP

**Port :**

**CARD UID:**

**Command :**

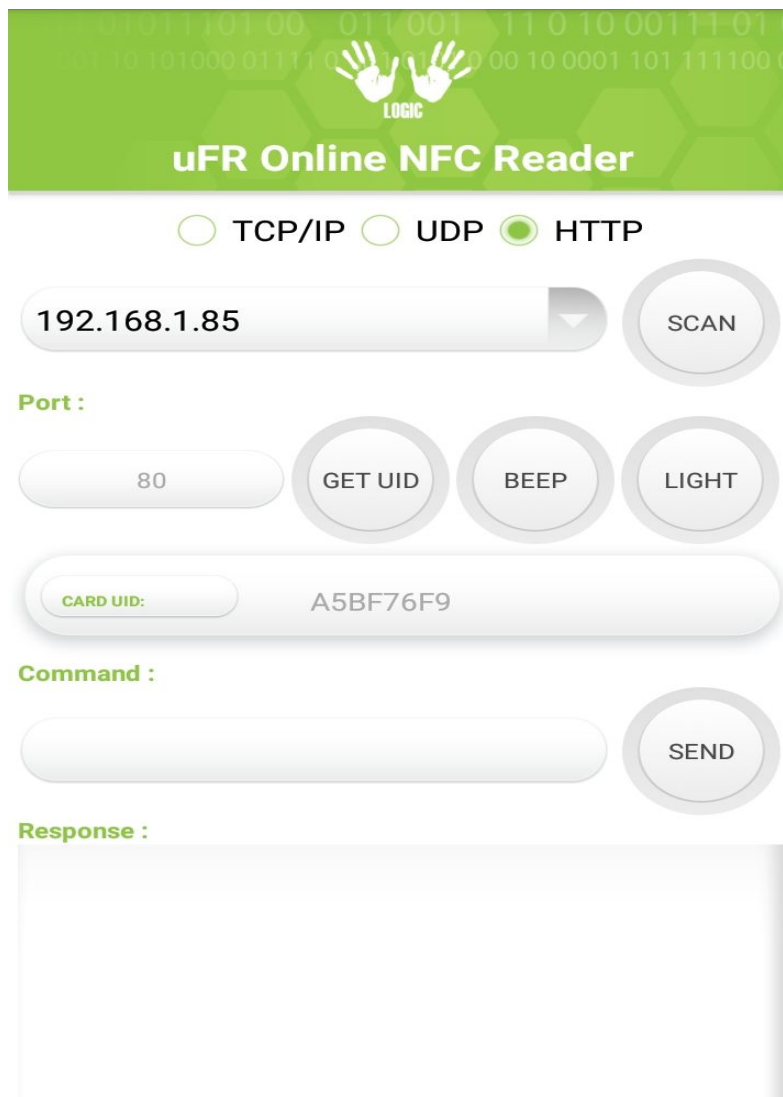
**Response :**

## Options

Click on 'SCAN' button to see available uFR Online readers. Notice that you have to be connected at the same network as readers.

When you select reader's ip address from dropdown list and click button 'GET UID' you will be able to see card's uid in text field.

On button 'BEEP' you will be able to hear sound from buzzer, and on button 'LIGHT' clicked you will be able to see alternation light signal.



The interface is titled "uFR Online NFC Reader" and features a green header with a logo of two hands. Below the header, there are three radio buttons for protocol selection: TCP/IP, UDP, and HTTP (which is selected). A dropdown menu shows the IP address "192.168.1.85", with a "SCAN" button to its right. Below this, a "Port :" label is followed by a text field containing "80" and three circular buttons labeled "GET UID", "BEEP", and "LIGHT". A "CARD UID:" label is followed by a text field displaying "A5BF76F9". Below that, a "Command :" label is followed by a text input field and a "SEND" button. At the bottom, a "Response :" label is followed by a large, empty text area.

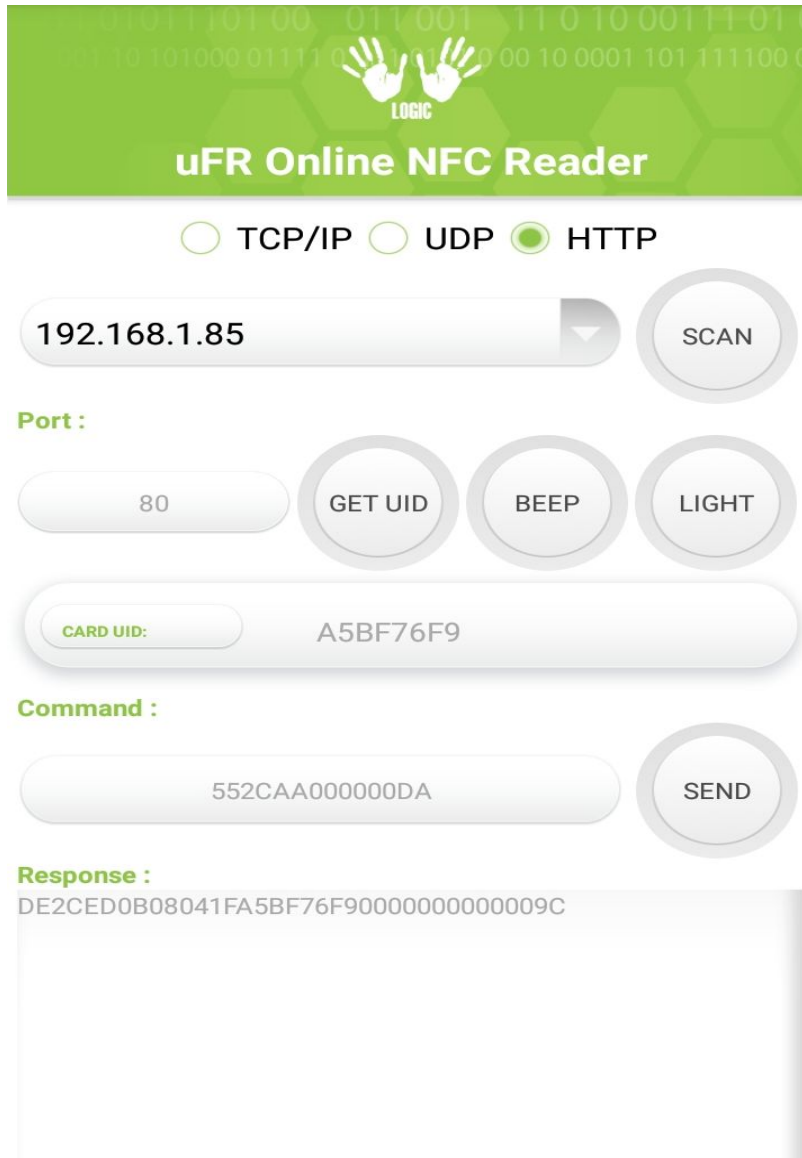
The same thing will happen if you choose UDP or TCP/IP communication protocol.

If HTTP protocol is selected, then port is always 80 by default.

If UDP or TCP/IP protocol is selected, you can modify the port by yourself.

You can also type hexadecimal command from uFR COM protocol to send it to reader.

Simply type the command and click 'SEND' button. The picture below shows GET\_CARD\_ID\_EX command sent to reader:



The image shows a web-based interface for an NFC reader. At the top, there's a green header with the 'uFR Online NFC Reader' title and a logo. Below the header, there are three radio buttons for selecting a communication protocol: TCP/IP, UDP, and HTTP. The HTTP option is selected. Underneath, there's a text input field for an IP address, currently showing '192.168.1.85', and a 'SCAN' button. Below this, there's a 'Port :' label and a text input field showing '80'. To the right of the port field are three circular buttons labeled 'GET UID', 'BEEP', and 'LIGHT'. Further down, there's a 'Command :' label and a text input field containing the hexadecimal command '552CAA000000DA'. To the right of the command field is a 'SEND' button. At the bottom, there's a 'Response :' label and a text area displaying the response 'DE2CED0B08041FA5BF76F90000000000009C'.

**uFR Online NFC Reader**

☐ TCP/IP ☐ UDP ☒ HTTP

192.168.1.85 SCAN

**Port :**

80 GET UID BEEP LIGHT

**CARD UID:** A5BF76F9

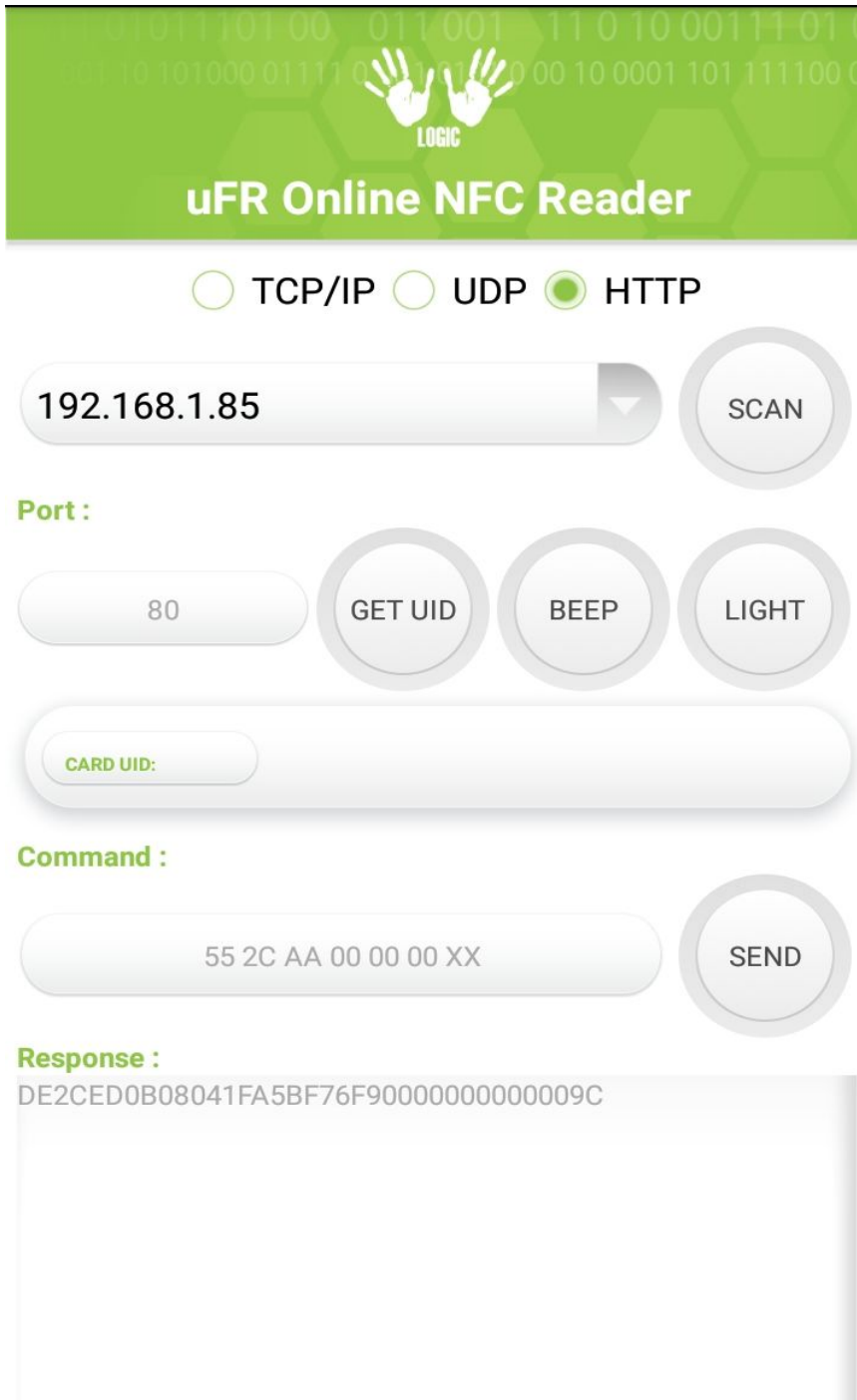
**Command :**

552CAA000000DA SEND

**Response :**

DE2CED0B08041FA5BF76F90000000000009C

You can also send command with delimiters and if you want automatic checksum calculation you can type 'XX' as the last byte in your command.



The interface is titled "uFR Online NFC Reader" and features a green header with a logo of two hands. Below the header, there are three radio buttons for selecting a protocol: TCP/IP, UDP, and HTTP. The HTTP option is selected. A text input field contains the IP address "192.168.1.85", and a "SCAN" button is next to it. Below this, a "Port :" label is followed by a text input field containing "80" and three circular buttons labeled "GET UID", "BEEP", and "LIGHT". A "CARD UID:" label is followed by a large text input field. Below this, a "Command :" label is followed by a text input field containing "55 2C AA 00 00 00 XX" and a "SEND" button. At the bottom, a "Response :" label is followed by a text area containing the hexadecimal string "DE2CED0B08041FA5BF76F9000000000009C".

**uFR Online NFC Reader**

☐ TCP/IP ☐ UDP ☒ HTTP

192.168.1.85 **SCAN**

**Port :**

80 **GET UID** **BEEP** **LIGHT**

**CARD UID:**

**Command :**

55 2C AA 00 00 00 XX **SEND**

**Response :**

DE2CED0B08041FA5BF76F9000000000009C

## Revision history

Date	Version	Comment
2019-05-13	1.0	Base document